

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE PATENT TRIAL AND APPEAL BOARD**

PRIME WIRE & CABLE, INC.)
)
Petitioner,)
)
v.)
)
CANTIGNY LIGHTING)
CONTROL, LLC.)
)
Patent owner)
)
JASCO PRODUCTS, INC.)
)
Licensee)

**Case: IPR2018-01592
Patent No.: 9,320,122**

EXHIBIT 1055

(12) **United States Patent**
Simon et al.

(10) **Patent No.:** US 6,507,775 B1
(45) **Date of Patent:** Jan. 14, 2003

- (54) **IRRIGATION TIMER AND CLOCK INITIALIZATION METHOD**
- (75) Inventors: **Timothy M. Simon**, San Francisco, CA (US); **Blaine M. Smith**, Portland, OR (US)
- (73) Assignee: **Tim Simon, Inc.**, San Francisco, CA (US)
- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

5,187,797 A	*	2/1993	Nielsen et al.	345/708
5,251,153 A	*	10/1993	Nielsen et al.	700/284
5,293,554 A		3/1994	Nicholson	700/284
5,337,957 A		8/1994	Olson	239/63
5,444,611 A		8/1995	Woytowitz et al.	700/16
5,602,728 A		2/1997	Madden et al.	700/16
5,715,866 A		2/1998	Granger	137/624.11
5,797,417 A		8/1998	DeLatre et al.	137/78.3
5,921,280 A	*	7/1999	Ericksen et al.	137/624.11

* cited by examiner

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- (21) Appl. No.: **09/440,298**
- (22) Filed: **Nov. 17, 1999**
- (51) **Int. Cl.**⁷ **G05D 7/00**
- (52) **U.S. Cl.** **700/284; 239/69; 137/624.11**
- (58) **Field of Search** **700/284; 239/61, 239/65, 67, 64, 68, 69, 70, 71, 72, 99; 137/624.11, 78.3**

(57) **ABSTRACT**

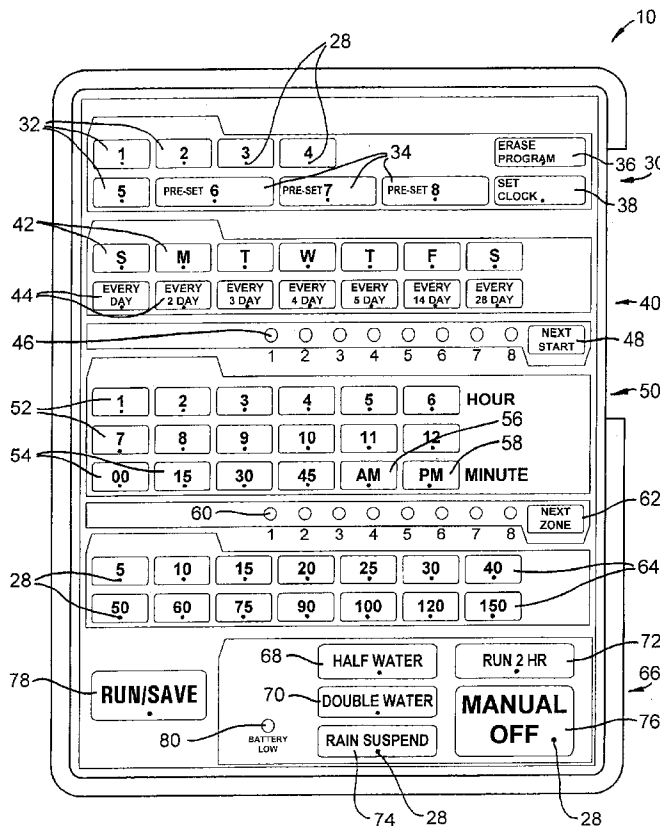
An irrigation timer (2) includes a controller (8) coupleable to a power source (16), user inputs (12) coupled to the controller, controller output terminals (18) coupleable to an irrigation valve actuator (20) and an internal day-of-week and time-of-day clock. The controller may be pre-programmed with a predetermined, known initialization day-of-week and start time-of-day setting so that upon actuation, the clock automatically begins running at that setting, such as Sunday, 6:00 PM. The user inputs may have a single, preset function so that no user input is a multi-function input to help make programming essentially intuitive.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,165,532 A	*	8/1979	Kendall et al.	700/284
4,760,547 A		7/1988	Duxbury	700/284
4,951,204 A		8/1990	Mylne, III	700/284
5,038,268 A		8/1991	Krause et al.	700/16

18 Claims, 4 Drawing Sheets



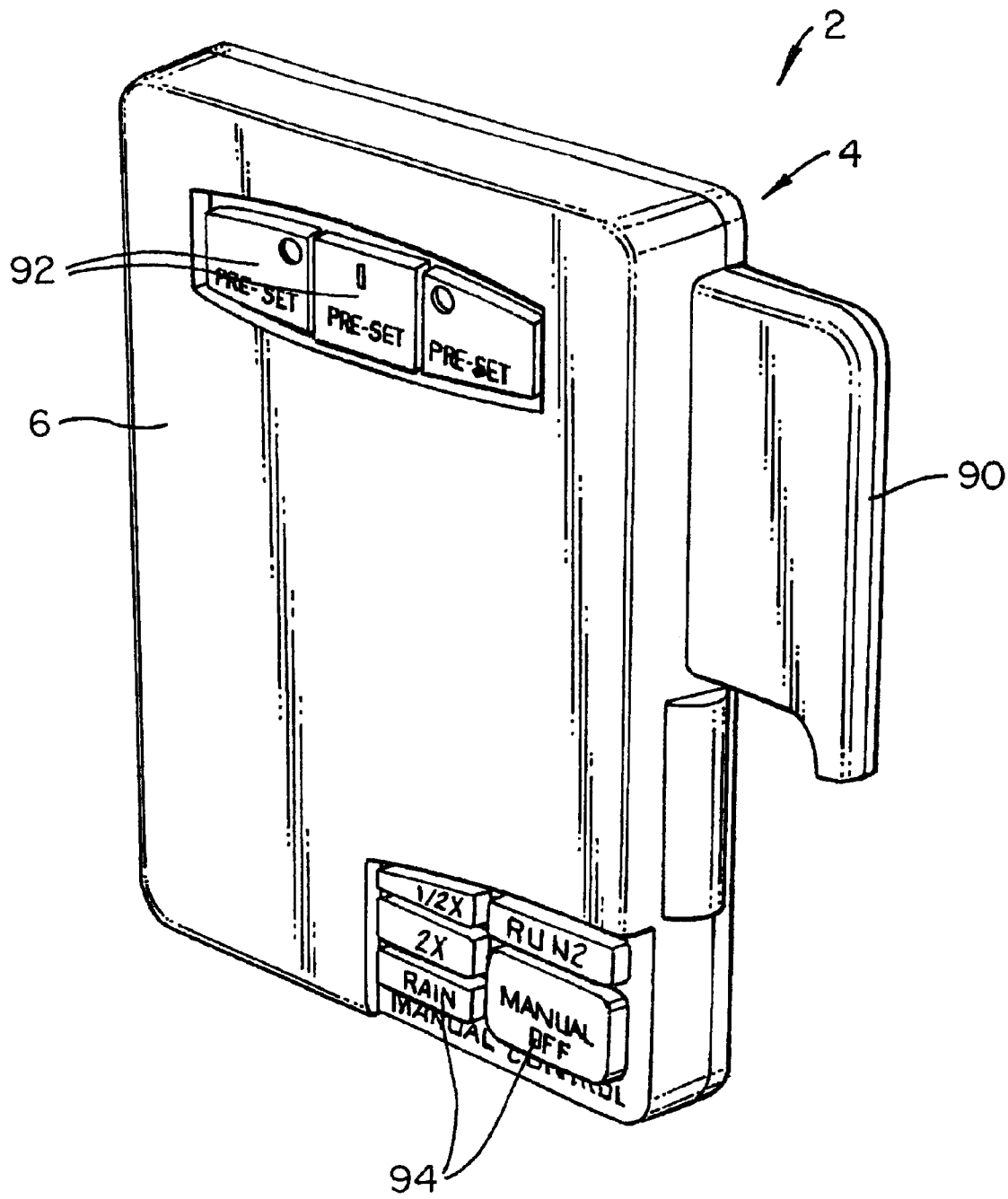


FIG. 1.

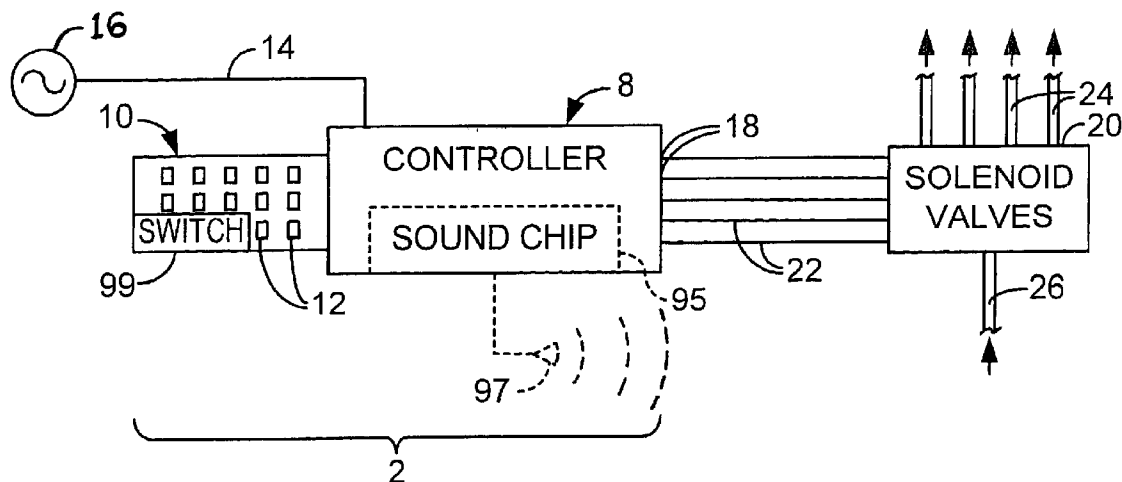
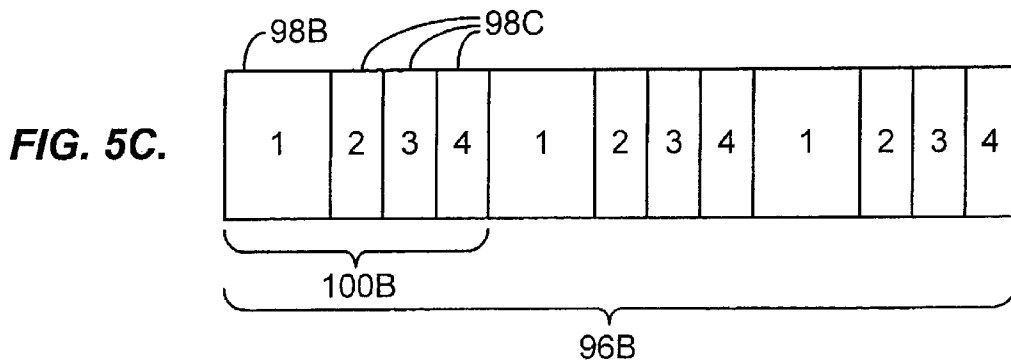
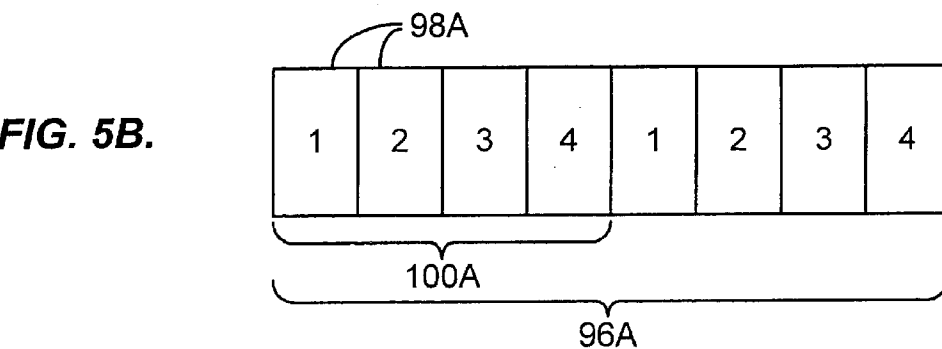
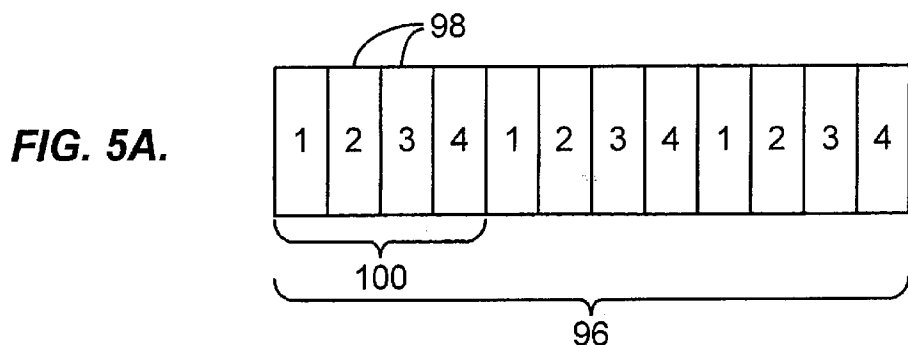


FIG. 2.



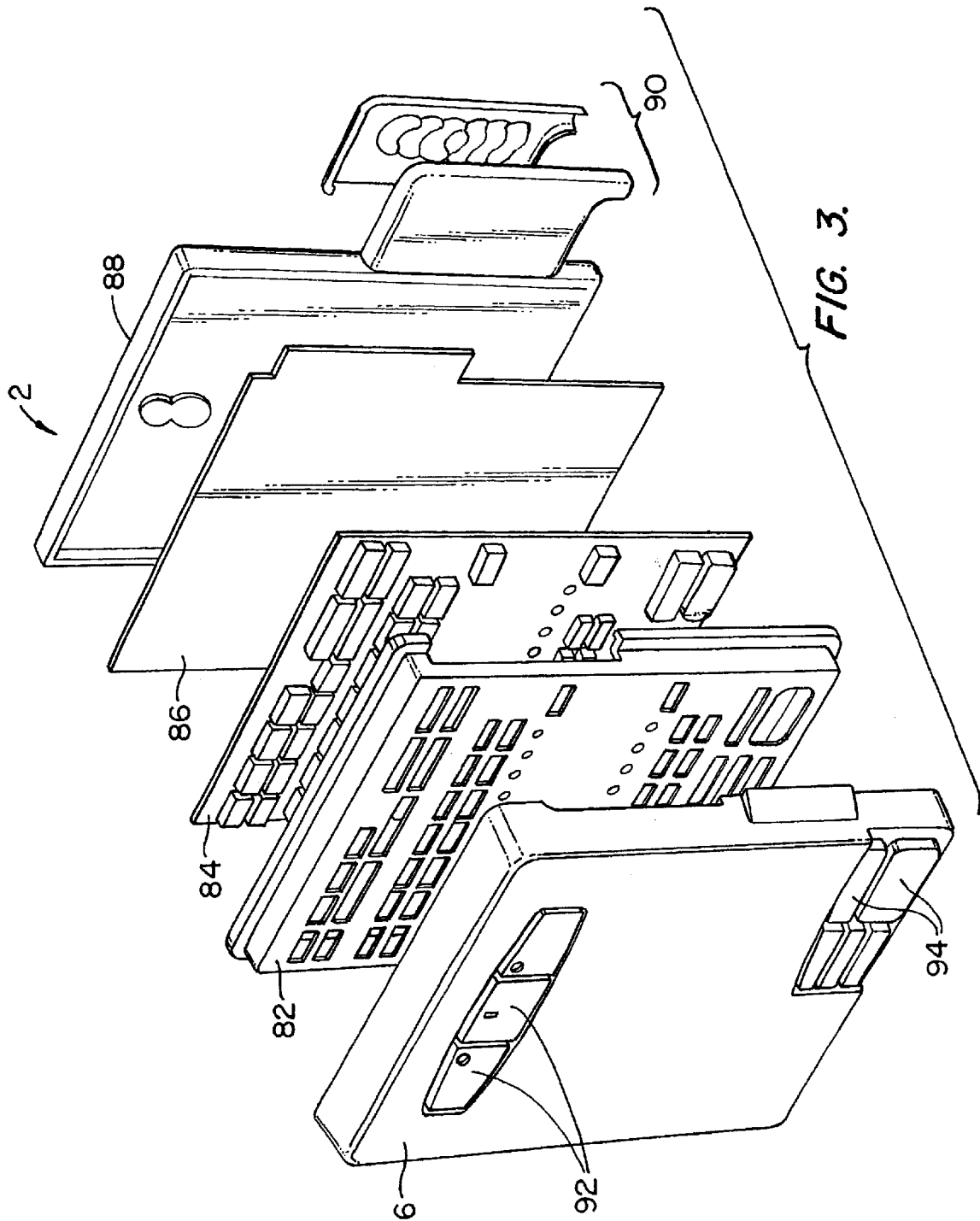


FIG. 3.

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